

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-059654

(43)Date of publication of application : 26.02.2002

---

(51)Int.Cl.

B41M 5/26

---

(21)Application number : 2000-251897

(71)Applicant : MITSUBISHI PAPER MILLS LTD

(22)Date of filing : 23.08.2000

(72)Inventor : MARUYAMA ATSUSHI

---

### (54) REVERSIBLE MULTICOLOR THERMAL RECORDING MATERIAL

#### (57)Abstract:

PROBLEM TO BE SOLVED: To provide a reversible multicolor thermal recording material which enables formation and erasure of an image in an excellent contrast and can hold the image being stable with time in an environment of daily life.

SOLUTION: The reversible multicolor thermal recording material is prepared by providing on a substrate a reversible thermally coloring composition for which a generally colorless or light-colored electron donating dye precursor and an electron accepting compound are used and which can form a state of coloring and a state of color erasure relatively according to a difference in a heating temperature and/or a cooling speed after heating. In the material, the substrate has a hollow polyester structure.

---

### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's